OPERATING INSTRUCTIONS

Microwave/Grill Oven

NN-5150/NN-5100
NN-5050/NN-5000

This appliance was produced to BS 800.

Panasonic

Before operating this oven, please read these instructions carefully.

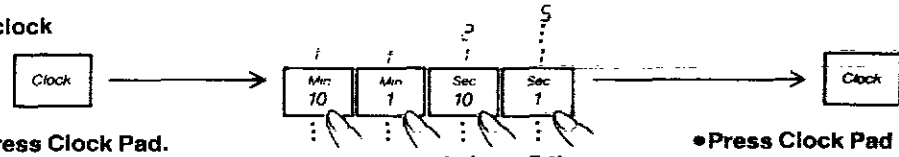
IMPORTANT:
Do not discard these Operating Instructions—they should be kept for further reference along with your Cookbook.

Controls and Operation Procedure

kg/lb Conversion:
When using the Auto defrost and Auto Weight Cook features, the oven automatically displays the kg symbol. If you wish to use the lb/oz to enter your weight in Imperial, press START pad directly after plugging the oven in but before setting the clock.

Clock Pad:
It is a 12 hour clock, ie. set 2.00 pm as 2.00 NOT 14.00.
When oven is first plugged in, "88:88" will appear in the display window.

To set clock



- **Press Clock Pad. Colons will start blinking.**

once once twice 5 times

- **Set time of day. eg 11.25**
- **Press Clock Pad again to stop colons blinking. Time of day is now locked into oven display. NB: Oven will not operate whilst colons are still blinking.**

Power Pad:
Select power level before programming in the cooking time.

Press 1× for **HIGH**, 2× for **DEFROST**, 3× for **MEDIUM**, 4× for **LOW**, 5× for **SIMMER**, 6× for **WARM**.

Time Pads:
The Pads can be programmed up to 99 minutes and 99 seconds.

Example 1: To set 13 minutes 45 seconds

Press: 1× 3× 4× 5×

STOP/CANCEL Pad:
Before cooking: One tap clears your instructions.
During cooking: One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day appears in display window.

START Pad:
One tap allows oven to begin functioning. If door is opened or STOP/CANCEL Pad is tapped once during oven operation, START Pad must again be touched to restart oven.

Door Opener Button:
Opening the door during cooking will stop the cooking process without cancelling the program. Cooking resumes as soon as the door is closed and START Pad is touched. The oven light will turn on and stay on whenever the door is opened.
It is quite safe to open the door at any time during a cooking program and there is no risk of Microwave exposure. (Do not open door before cooking time is displayed on Auto Sensor Cook program for Model NN-5100/5150 only.)

Beep Sound:
When a pad is touched correctly, a beep will be heard. If a pad is touched and no beep is heard, the unit has not or cannot accept the instruction. The oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times.

Step by Step Display:

To assist you in programming the oven easily, the next operation for you to press is indicated in the display window.

- Set the cooking time. eg. after selecting a POWER level.

- Set the weight. eg. after selecting AUTO DEFROST, or an AUTO WEIGHT COOK/REHEAT program.

- Press START Pad. eg. after selecting an AUTO COOK/REHEAT program or a POWER LEVEL and a TIME.

Installation

Examine Your Oven
Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if unit is damaged. Do NOT install if unit is damaged.

Guarantee Card
Fill out and post the pre-addressed guarantee card.

Earthing Instructions
IMPORTANT FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY EARTHED. When a wall socket is not earthed, it is the personal responsibility and obligation of the customer to have it replaced with a properly earthed wall socket.

WARNING:
THIS APPLIANCE MUST BE EARTHED.
IMPORTANT:
The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-and-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Voltage and Power Warning
The voltage used must be the same as specified on this microwave oven. Using a higher voltage than that which is specified is dangerous, and may result in a fire or other type of accident causing damage.

Plug Fuse
13 amp fuse required in plug.

Placement of Oven
1. Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow.
2. Do not block air vents on the rear and bottom or top of the cabinet. Do not place any articles on the top of the oven or over top vents. If air vents are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable with blank display until it has cooled.
3. Do not place the microwave oven on a shelf directly above a gas or electric hob. Otherwise the oven may be damaged.
4. Do not allow mains cable to touch cabinet surface.
5. This oven was manufactured for **DOMESTIC USE ONLY**.

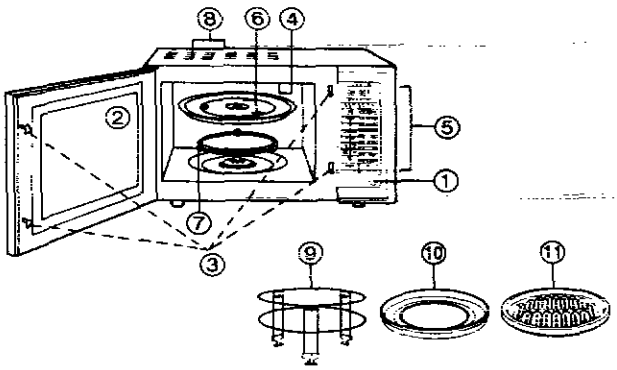
Fan Motor Operation
After using COMBINATION and GRILLING fan motor rotates for about 5 minutes to cool the electric components.
This is normal and you can take out food even though fan motor operates. You can continue using the oven during this 5 minutes.

Built In
1. In case of fitting into an oven housing, please use Panasonic's Trim Kit
   NN-TK750 (for NN-5150/5050) and
   NN-TK700 (for NN-5100/5000).
2. Microwave ovens should not be built into a unit directly above a top front venting conventional cooker. This will invalidate your one year guarantee. A gap of at least 15 cm (6 inches) should be left. It is important that the microwave draws in cool air. A microwave which is built under a work surface must have adequate air circulation and must have a vent in the work surface.

Caution Points

1. ***Before Use:***
   Before using COMBINATION or GRILL function for the first time, operate the oven without food on GRILL for 20 minutes. This will allow the oil that is used for rust protection to be burned off.
2. **Hot Surfaces:**
   Exterior oven surfaces, including air vents on the cabinet and the oven door will get hot during *COMBINATION and GRILLING. Use care when* opening or closing door and when inserting or removing food and accessories.
   The oven has a heater situated in the top of the oven.
   After using the COMBINATION and GRILL functions, the roof and walls will be very hot.
3. **Cord/Plug:**
   Do not operate this appliance if it has a damaged CORD OR PLUG, if it is not working properly, or if it has been damaged or dropped. Do not immerse cord, plug or oven in water. Keep cord away from heated surfaces.
   Do not let cord hang over the edge of table or worktop.
   Do not plug your oven in via an extension cable as this can be dangerous. It is important to plug the oven directly to a wall socket.
4. **Door Seals:**
   The appliance should be inspected for damage to the door seals and door seal areas and if these areas are damaged the appliance should not be operated until it has been repaired by a *service technician trained by the manufacturer.* Do not attempt to tamper with or make any adjustments or repairs to door, control panel housing, safety interlocks switches or any other part of the oven. Do not remove outer panel from oven.
   The door seals and door seal areas should be cleaned regularly with a damp cloth.

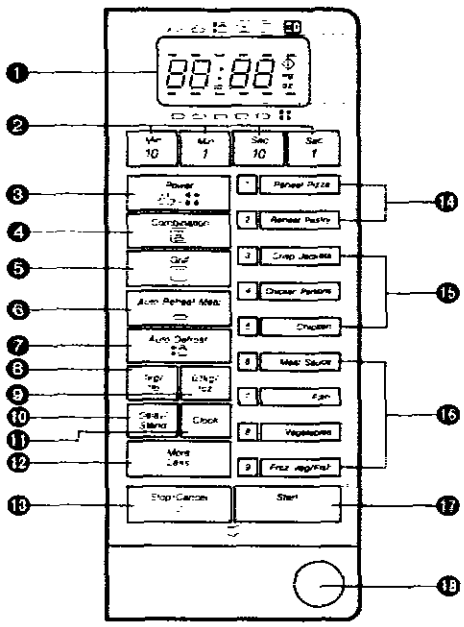
Outline Diagram



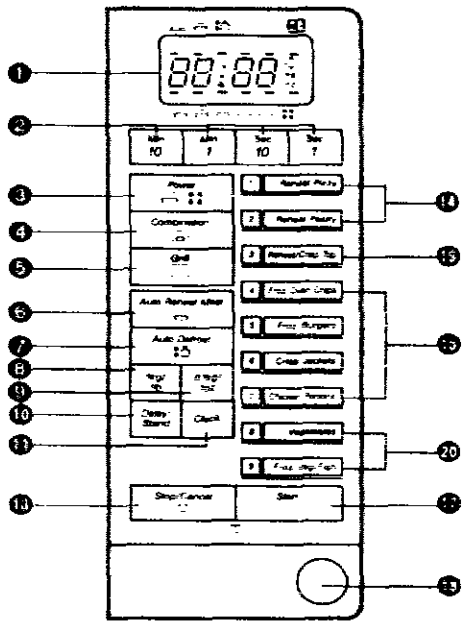
① Door Release Button
② Oven Window
③ Door Safety Lock System
④ Oven Air Vent
⑤ Control Panel
⑥ Turntable/Glass Tray
⑦ Roller Ring
⑧ External Oven Air Vents
⑨ High Rack
⑩ Metal Tray
⑪ Splash Guard

Control Panel

NN-5150/NN-5100



NN-5050/NN-5000



Controls with Auto Count-Up Feature*

❶ Display Window
❷ Time Pads*
❸ Power Pad*
❹ Combination Pad*
❺ Grill Pad
❻ Auto Reheat Plated Meal Pad*
❼ Auto Defrost Pad
❽ 1 kg/1 lb Pad*
❾ 0.1 kg/1 oz Pad*
❿ Delay/Stand Pad
⓫ Clock Pad
⓬ Adjust to Taste Pad for use with Auto Sensor Cook Pads only (NN-5100/5150 only)
⓭ Stop/Cancel Pad
⓮ Preset Reheat Pads*–COMBINATION
⓯ Auto Weight Cook Pads–COMBINATION
⓰ Auto Sensor Cook Pads–MICROWAVE (NN-5100/5150 only)
⓱ Start Pad
⓲ Door Release Button
⓳ Auto Weight Reheat Pad–COMBINATION
⓴ Auto Weight Cook Pads–MICROWAVE

5. **Oven Light:**
   This appliance including the oven lamp should be serviced only by a service technician trained by the manufacturer.
6. **Repairs:**
   It is dangerous for anyone other than a service technician trained by the manufacturer to perform repair service.
7. *Do not use outdoors.*
8. The appliance should not be operated by MICROWAVE or COMBINATION WITHOUT FOOD IN THE OVEN, operation in this manner may damage the appliance.

Oven Light

When it becomes necessary to replace the oven light, please consult a dealer to have it replaced.

General Information

1) Cooking Times

- As microwave cooking times are much shorter than other cooking methods it is essential that recommended cooking times are not exceeded without first checking the food.
- Cooking times given in the cookbook are approximate. Factors that may affect cooking times are: preferred degree of cooking, starting temperature, altitude, volume, size and shape of foods and utensils used. As you become familiar with the oven, you will be able to adjust these factors.
- It is better to undercook rather than overcook foods. If food is undercooked, it can always be returned to the oven for further cooking. If food is overcooked, nothing can be done. Always start with minimum cooking times.

Important

If the recommended cooking times are exceeded the food will be spoiled and in extreme circumstances could catch fire and possibly damage the interior of the oven.

- Particular attention should be paid to heating small quantities of food and items such as jacket potatoes and Christmas puddings.

2) Standing Times

- Standing Times are essential for foods cooked or reheated by MICROWAVE or COMBINATION. Stand times are times "after" the cooking program is complete where the food is left either in the oven or on your worktop in its cooking dish. During the STAND TIME, heat will continue to conduct to the centre to cook the food completely.
  The denser the food, the longer the stand time e.g. joints of meat require stand times of approx 15 minutes. Reheated foods also require a standing time to allow heat to equalize through the food. See cookbook for Reheat instructions.

3) Small Quantities of Foods

- Small quantities of food or foods with low moisture content can burn, dry out or catch on fire if cooked too long. If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.

4) Christmas Puddings

- It is important to correctly set the cooking time for puddings such a Christmas Pudding which has a high fat and sugar content. If the pudding is heated by MICROWAVE for too long, it can ignite. NEVER LEAVE UNATTENDED.

5) Eggs

- Do not boil eggs in their shell by MICROWAVE. Pressure may build up and the eggs will explode.

6) Piercing Skin

- Potatoes, apples, egg yolks, whole vegetables and sausages are examples of food with non porous skins. These must be pierced using a fork before cooking by MICROWAVE to prevent bursting.

7) Deep Fat Frying

- Do not attempt to deep fat fry in your oven.

8) Meat Thermometer

- Use a meat thermometer to check the degree of cooking of roasts and poultry only when meat has been removed from oven. If undercooked, return to oven and cook for longer at the recommended power level or on the appropriate COMBINATION program. Do not use a conventional meat thermometer when using MICROWAVE or COMBINATION mode.

9) Liquids

- Heated liquid can erupt if not mixed with air. Do not heat liquid by MICROWAVE without first stirring.

10) Paper, Plastic

- Carefully attend the appliance if paper, plastic or other combustible materials are placed inside the oven to facilitate cooking.
- Remove wire twist-ties from roasting bags before placing bags in oven.
- Do not use re-cycled paper products, as they may contain impurities which may cause sparks and/or fires when used, unless packaging states they are specifically designed for MICROWAVE use.

11) Reheating

- It is essential that reheated food is served "Piping Hot". Always check food before serving and if in doubt return food to oven for further heating.

Accessories:

1. Do not operate the oven without the turntable/ glass tray and roller ring in place when cooking on any mode.
2. Only use the turntable/glass tray and roller ring specifically designed for this oven. Do not substitute any other Tray/Roller Ring.
3. If the turntable/glass tray and roller ring is hot, allow to cool before cleaning or placing in water.
4. Turntable can turn in either direction.
5. If food or dish on the turntable/glass tray and roller ring touches oven walls, causing the turntable to stop moving, the turntable will automatically rotate in opposite direction. This is normal. However, if food jams against wall of oven, reposition food and RESTART.
6. Do NOT cook directly on the turntable/glass tray and roller ring when cooking by MICROWAVE. Always place food in a dish, or on a rack set in a dish. One exception to this rule is Jacket Potatoes, cooked by MICROWAVE or Auto Program Crisp Jackets.

   For Roasting by COMBINATION place meat or poultry on a heatproof upturned saucer on metal tray provided on Turntable/glass tray.
   See Cookbook supplement for correct accessories to use on all programs.
   For cooking by MICROWAVE, see Microwave Cookery Book for correct use of cooking containers/dishes.
   The turntable/glass tray and roller ring are the ONLY accessories used for MICROWAVE cooking.
7. While cooking by MICROWAVE or COMBINATION, Turntable may vibrate. This will not affect cooking performance.
8. The Roller Ring and oven floor should be cleaned frequently to prevent excessive noise.
9. The Roller Ring must always be used for cooking together with the Glass Tray.

Failure to use the accessories correctly as described here or in the cookbook could damage your oven.

Care of Your Microwave/Grill Oven

1. Turn the oven off before cleaning.
2. Keep the inside of the oven, door seals and door seal areas clean. Wipe off these areas with a damp cloth. Mild detergent may be used. The use of harsh detergent or abrasives is not recommended.
3. After GRILL or COMBINATION cooking, the ceiling and walls of the oven should be cleaned with a soft cloth squeezed in soapy water. Particular care should be taken to keep the door window area clean particulary after cooking by GRILL or COMBINATION.
4. The outside oven surface should be cleaned with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
5. If the Control Panel becomes dirty, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on Control Panel. When cleaning the Control Panel, leave the oven door open to prevent the oven from accidentally turning on. After cleaning touch STOP/CANCEL Pad to clear display window.
6. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates a malfunction of the unit, or Microwave leakage.
7. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm soapy water or in a dishwasher.
8. The roller ring and oven cavity floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent and hot water then dry with a clean cloth. The roller ring may be washed in mild soapy water.
   After removing the roller ring from cavity floor for cleaning, be sure to replace it in the proper position.
9. When GRILLING or cooking by COMBINATION, some foods may splatter grease on to the oven walls. If the oven is not cleaned occasionally to eliminate this grease, it can accumulate and cause the oven to "SMOKE" during use. These marks will also be more difficult to clean later.

Microwave Cooking

One Stage Cooking:

Select Power level → Select cooking time → Press Start

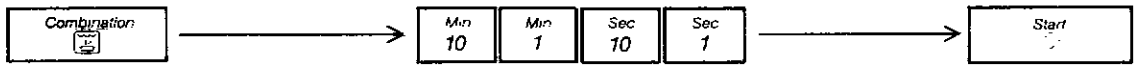
Two Stage Cooking:

eg. High Power 10 minutes followed by Simmer power 20 minutes;
Select High power and program 10 minutes then select second power (Simmer) with second cooking time (20 minutes) then press Start.

Three Stage Cooking:

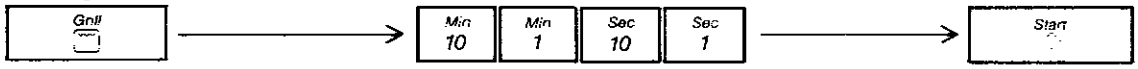
eg. High Power 5 minutes, Delay 5 minutes, High power 2 minutes;
Select first Power level and cooking time, then press DELAY pad and select DELAY time, then select final power level and final cooking time. Then press Start.

Combination Cooking:



- **Select COMBINATION cooking program by pressing COMBINATION pad the appropriate number of times from 1 to 3.**
- **Set Cooking time.**

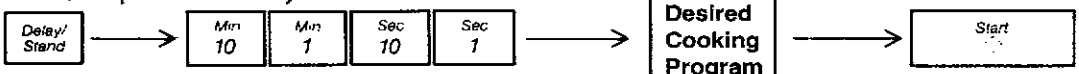
Grilling:



- **Press GRILL Pad.**
- **Set cooking time. (DO NOT PREHEAT GRILL.)**

Delay Start:

This feature allows you to program a Delay Start. The time pads operate as HOUR pads and MINUTE pads on this feature. It is not possible to delay start an AUTO PROGRAM.

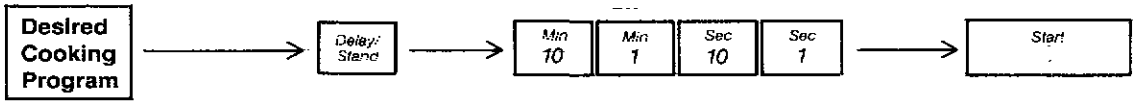


- **Set the time you want to delay.**
- **Program desired cooking.**

eg. 1 hour. Press Min 10 **pad once.**

Stand Time:

This feature allows you to program a Stand Time after cooking is completed and to program the oven as a minute timer or/and delay start. The time pads operate as HOUR pads and MINUTE pads on this feature.



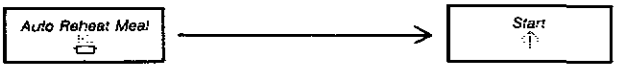
- **Program desired cooking.**
- **Set the time you want to stand.**

eg. 5 minutes. Press Sec 1 **pad 5 times.**

Auto Programs:

See Cookbook supplement for how to use and details of accessories.

Auto Reheat Meal:

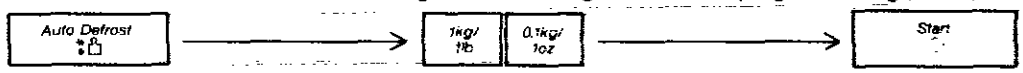


- **Select desired category (1–3)**
  —see Cookbook for details on portion sizes.

NB: This program is for fresh plated meals only.

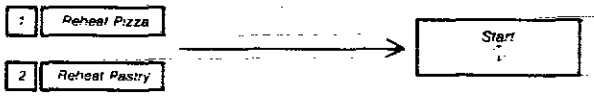
Auto Weight Defrost:

See cookbook for further details. Max. Weight for defrosting foods on this program is 5 kg (11 lb.).



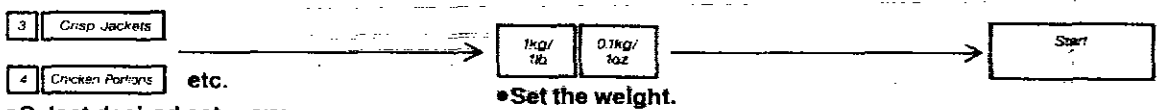
- **Press Auto Defrost pad.**
- **Set the weight.**

Preset Reheat (COMBINATION):



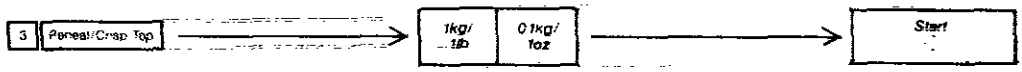
- **Select desired category (1, 2 or 3).**
  —See Cookbook for details on portion sizes.

Auto Weight Cook (COMBINATION or MICROWAVE):



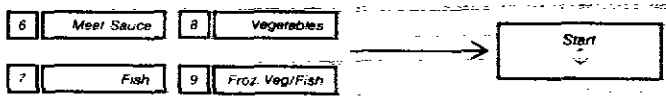
- **Set the weight.**
- **Select desired category.**
  Auto Program Pads 4–9 (NN-5050/5000)
  3–5 (NN-5150/5100)

Auto Weight Reheat (COMBINATION): NN-5050/5000



- **Set the weight.**

Auto Sensor Cook: NN-5150/5100



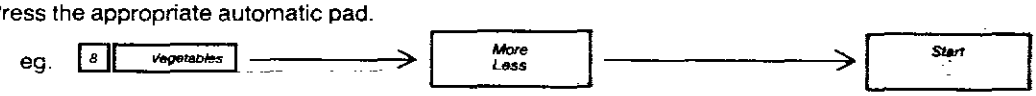
- **Select desired category.**

See Cookbook for further information regarding weight ranges and appropriate preparation of food.

Adjust to Taste: NN-5150/5100

When using the Auto Sensor Cook pads, the Adjust to Taste pad can be used. This will adjust the cooking time by approximately 10%.

Press the appropriate automatic pad.



Press 1×for more
Press 2×for less

Technical Specifications

Power Consumption:	Microwave: 1,420 W Maximum: 2,800 W
Output:	Microwave: 800 W (IEC-705) Heater: 1,300 W
Outside Dimensions:	306 mm (H)×510 mm (W)× 360 mm (D)
Oven Cavity Dimensions:	200 mm (H)×330 mm (W)× 330 mm (D)
Operating Frequency:	2,450 MHz
Built in Trim Kit:	NN-TK750 (NN-5150/NN-5050) NN-TK700 (NN-5100/NN-5000)
Uncrated Weight:	Approx. 18 kg

Specifications subjects to change without notice

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box, Osaka 530-91, Japan

A00035870BP
F0890-1110
Printed in Japan